



## CMF / CRF Details

**CMF ID: 10851**

**Convert intersection to media U-turn (MUT) intersection**

**Description:**

**Prior Condition: Conventional Signalized Intersection**

**Category: Intersection geometry**

**Study: [Safety Evaluation of Median U-Turn Crossover-Based Intersections, Al-Omari et al., 2020](#)**

**Star Quality Rating:**



### Crash Modification Factor (CMF)

**Value:** 0.633

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

### Crash Reduction Factor (CRF)

**Value:** 36.7 (This value indicates a **decrease** in crashes)

**Adjusted Standard Error:**

**Unadjusted Standard Error:**

### Applicability

**Crash Type:**

All

**Crash Severity:**

All

**Roadway Types:**

Not specified

**Number of Lanes:**

**Road Division Type:**

Divided by Median

**Speed Limit:**

**Area Type:**

Urban and suburban

**Traffic Volume:**

**Time of Day:**

All

### *If countermeasure is intersection-based*

**Intersection Type:**

Roadway/roadway (not interchange related)

**Intersection Geometry:**

4-leg

**Traffic Control:**

Signalized

**Major Road Traffic Volume:**

25512 to 85076 Annual Average Daily Traffic (AADT)

**Minor Road Traffic Volume:**

246 to 37958 Annual Average Daily Traffic (AADT)

### Development Details

**Date Range of Data Used:**

2008 to 2017

**Municipality:**

**State:**

MI, NC, OH

<b>Country:</b>	
<b>Type of Methodology Used:</b>	7
<b>Sample Size Used:</b>	

<b>Other Details</b>	
<b>Included in Highway Safety Manual?</b>	No
<b>Date Added to Clearinghouse:</b>	Jul-01-2021
<b>Comments:</b>	This CMF is for Type A MUT Intersection. A pictorial representation of Type A and Type B MUT Intersection is presented in Figure 2 in the paper.

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